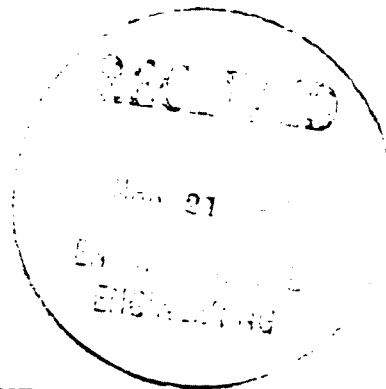




NORTH DAKOTA STATE DEPARTMENT OF HEALTH  
Air Pollution Control Program  
1200 Missouri Avenue  
Bismarck, North Dakota 58505

ANNUAL EMISSION INVENTORY REPORT  
FORM AP 301  
FUEL BURNING EQUIPMENT USED FOR INDIRECT HEATING  
Calendar Year 1976



1. Name of Firm or Organization: BASIN ELECTRIC POWER COOPERATIVE
2. Plant Location: Stanton, ND
3. Permit to Operate Number: 730004
4. Source Unit Number (from Permit to Operate): 1 (one)
5. Type and Quantity of Fuel Used:

	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Quantity per year <u>1,255,995</u> (Specify Units)  Delivered Cost of fuel <u>\$3.84</u> (\$/Unit Quantity)	Type Quantity per year (Specify Units)  Delivered Cost of fuel (\$/Unit Quantity)
PERCENT ASH (Solid Fuel Only) Max. Min. Avg.	13.26 7.11 9.07	
PERCENT SULFUR Max. Min. Avg.	.74 .19 .45	
BTU PER UNIT Max. Min. Avg.	7310 6010 6570	

6. Monthly Fuel Use:

QUANTITY			QUANTITY		
MONTH	PRIMARY FUEL	STANDBY FUEL	MONTH	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u>	Type _____		Type <u>Lignite</u>	Type _____
	Units <u>Tons</u>	Units _____		Units <u>Tons</u>	Units _____
Jan.	115,240		July	116,286	
Feb.	124,552		Aug.	112,904	
March	113,491		Sept.	103,194	
April	58,802		Oct.	129,377	
May	40,229		Nov.	110,510	
June	102,158		Dec.	129,252	

7. Hourly Fuel Use:

	QUANTITY	
	PRIMARY FUEL	STANDBY FUEL
	Type <u>Lignite</u> Units <u>Tons</u>	Type _____ Units _____
Maximum	197	
Average	166	

8. Normal Schedule of Operation:

Hours Per Day 24 Weeks Per Year 49

Days Per Week 7 Peak Season Base Load  
(Specify Months of Year)

Total Hours Per Year 7553

9. Stack Emissions:

POLLUTANT	QUANTITY POUNDS PER HOUR (AVERAGE)	TONS PER YEAR
Particulate	11	40
Sulfur Dioxide	2,890	10,920
Nitrogen Oxides	600	2,270
Other (Specify)	12% Opacity	

Basis For Quantities Listed Above:

Particulates - Precipitator performance tests

SO<sub>2</sub>, NO<sub>x</sub> and Opacity - Stack gas continuous Monitor

10. Name of Person Submitting Report (Print or Type) Kent E. Janssen

Title Manager of Production Phone 223-0441

*I declare under the penalties of perjury that this report has been examined by me and to the best of my knowledge and belief is a true, correct, and complete report.*

(Signed)

Kent E. Janssen Date 3/14/77